

Q'STRAIT® QRT-360® 4-Point Wheelchair Securement System

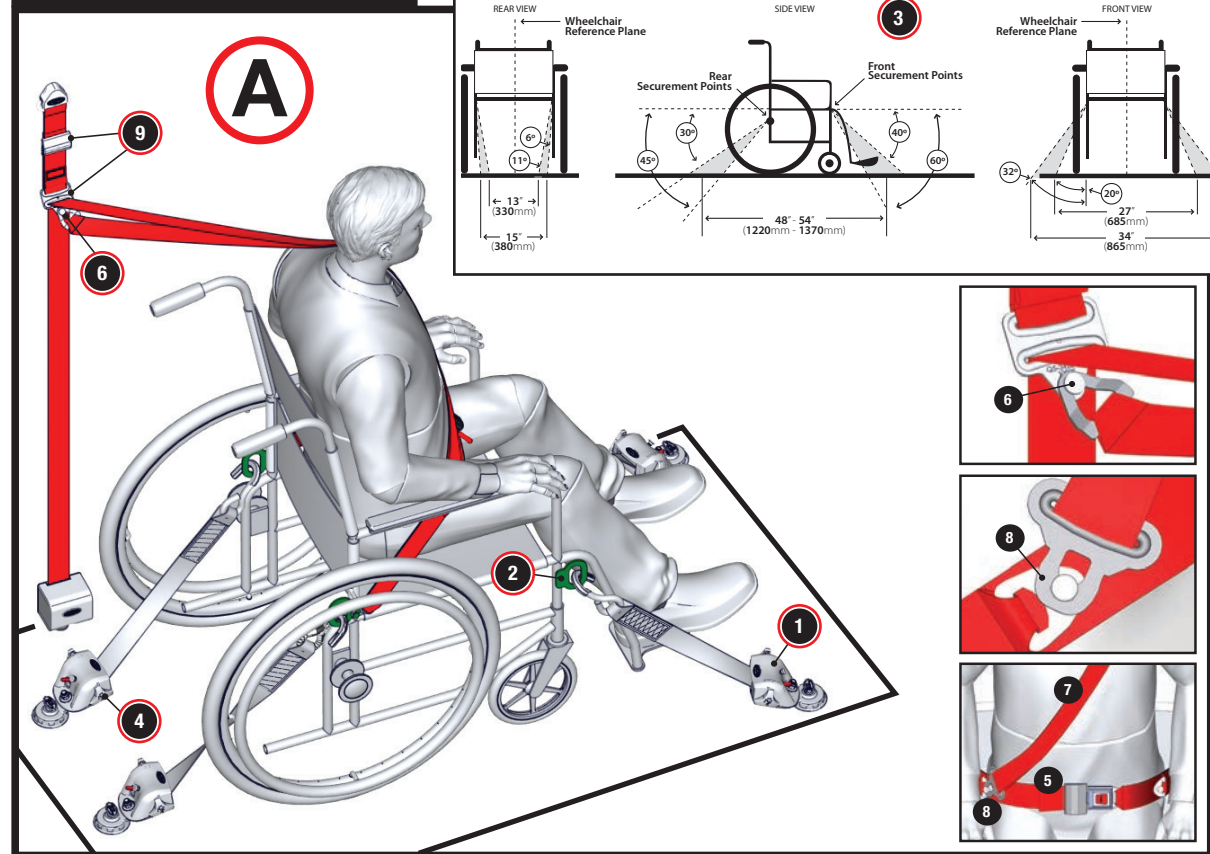
⚠️ WARNINGS

- Make sure to read, understand and follow all these instructions.
- Wheelchairs are not intended to be used as seats in motor vehicles unless compliant with ANSI/RESNA WC-4, Section 19.
- This system **MUST** only be used with wheelchairs in forward facing applications and cannot be altered or modified in any way.
- The QRT-360 4-Point Wheelchair Securement System and components comply with all applicable requirements of safety regulations and standards including ADA, FMVSS & CMVSS 209/210/222/302, CSA Z605 & D409, AS-2942-1994, SAE J2249 and ANSI/RESNA WC-4 SECTION 18.
Systems are dynamically crash tested at 30mph (48kph), 20g, using a 187 lbs. (85kg) forward facing surrogate wheelchair and a 168 lbs. (76kg) Anthropomorphic Test Device (ATD). The ATD is restrained by both shoulder and pelvic belt restraints.
- **J-Hooks** must be attached to the WC19 compliant chair securement points or a solid wheelchair frame for all other wheelchairs (no spokes or movable components) at an approximate 45 degree angle with floor.
- **DO NOT** allow webbing to get twisted inside the retractors or come in contact with sharp corners and edges.
- **Compliant Shoulder and Pelvic Belt Restraint** must go across occupant's shoulder and pelvis (lap), and not be worn twisted or held away from the occupant's body by wheelchair components. We recommend using both a pelvic and shoulder belt together and not individually since it will compromise the performance of the system.
- The QRT-360 4-Point Wheelchair Securement System **MUST** be serviced by an experienced and trained technician and replaced after a vehicle collision.
- Make sure Shoulder Belt does not rub against the occupant's neck.
- **Keep loose articles of clothing away from retractors.**
- For inspections, service and maintenance refer to the use and care manual.
- To address any questions, please contact a Q'Strait® authorized dealer.

✔️ MAINTENANCE & CARE

- **Always keep belts clean and off the floor** by using a storage device such as a Q'Strait® wall pouch. We recommend one storage device per wheelchair location.
- **All systems and components MUST be regularly inspected, tightened, cleaned, and maintained.**
- Clean webbing periodically with mild soap and water. After cleaning, fully extend belts and position them to prevent water from entering retractors until completely dry.
- **Make sure to prevent contamination of the webbing** by keeping it away from polishes, oils or other chemicals (particularly battery acid).
- Occasionally lubricate buckles and fittings, without contaminating the webbing.
- Clean bolt threads and reapply permanent thread locker if bolts are adjusted.
- **Frayed, contaminated or damaged webbing MUST be replaced immediately.**
- **Systems or components exposed to a vehicle accident, showing signs of missing parts, excessive damage or wear MUST be replaced.**

WC19 WHEELCHAIR



🔒 SECURING WHEELCHAIR

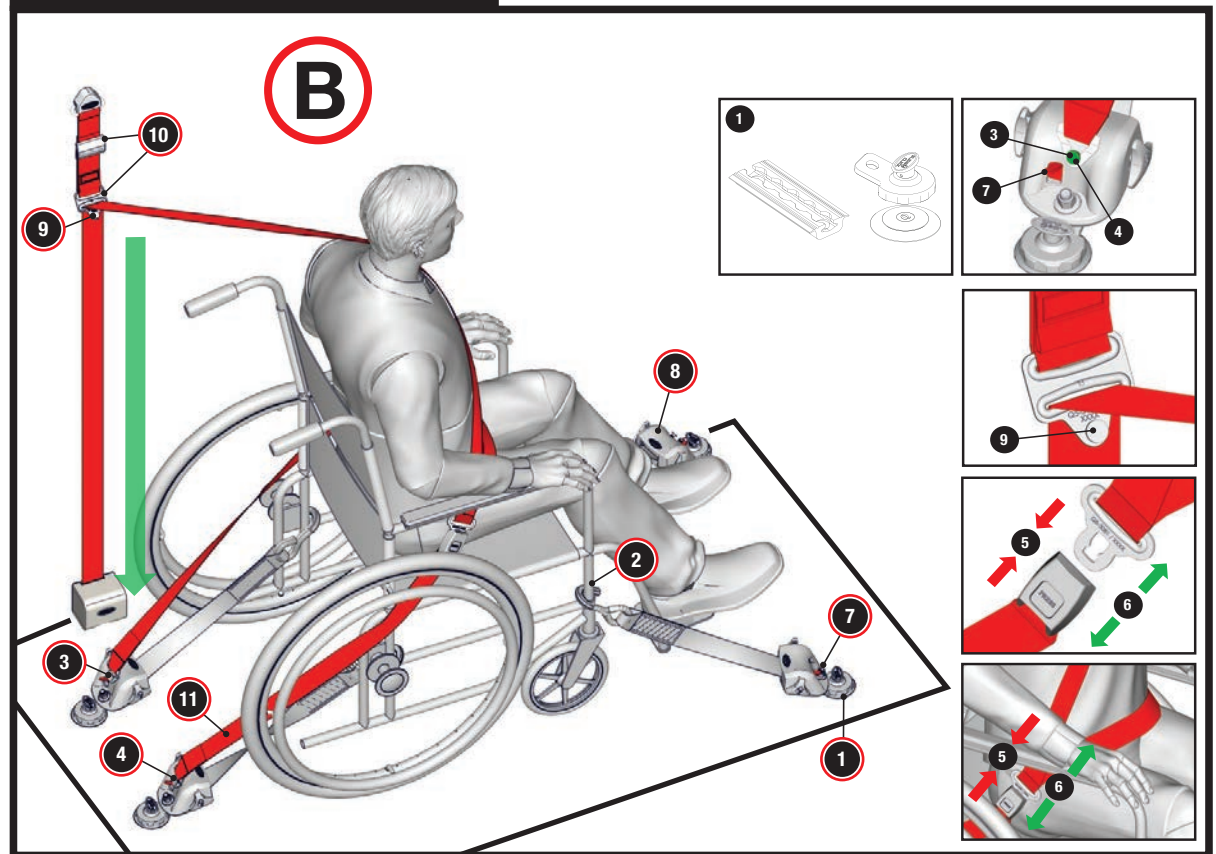
1. Center wheelchair facing forward in securement zone and lock wheelchair brakes (or power off electric chair).
2. Attach 4 retractors (A1) into floor anchorage (B1) points and lock them in place, with an approximate distance of 48" - 54" between the front and rear retractors.
3. Completely pull out each webbing and attach J-Hooks to compliant WC19 chair securement points near seat level (A2) (or solid frame members (B2)) at an approximate 45 degree angle with floor (A3).
4. Move wheelchair forward and back to remove webbing slack or manually tension webbing with retractor knobs (A4).



🚫 SECURING PASSENGER

5. **WC19 Wheelchair:** (If the chair does not come with compliant pelvic belt follow steps 8-10.) Make sure chair's pelvic belt is buckled over occupant's hips (A5).
6. Attach shoulder belt pin connector to pin located on shoulder belt height adjuster (A6).
7. Pull shoulder belt over occupant's chest (A7) and attach shoulder belt pelvic connector (A8) to pin on compliant WC19 pelvic belt. Adjust shoulder belt height (A9) so that it rest on shoulder. After occupant and vehicle are secure—they are ready for transport.
8. **Non WC19 Wheelchairs:** Attach shoulder belt pin connector to pin on rear retractor closest to wall (B3).
9. Attach the removable pelvic belt (B11) pin connector to pin on rear retractor closest to the aisle (B4).
10. Pull the shoulder belt over occupant's chest and buckle shoulder belt pelvic connector to removable pelvic belt (B5). Adjust shoulder belt height (B10) so that it rests on shoulder. After occupant and vehicle are secure—they are ready for transport.

NON WC19 WHEELCHAIRS



🏠 RELEASING PASSENGER

1. **WC19 Wheelchair:** (If chair does not come with a pelvic belt follow steps 2-4.) Detach shoulder belt pelvic connector from pin on WC19 pelvic belt (A8). Return shoulder belt to storage position.
2. **Non WC19 Wheelchairs:** Unbuckle shoulder belt pelvic connector from removable pelvic belt (B6).
3. Detach removable pelvic belt (B11) pin connector from pin on rear retractor closest to aisle (B4). Place removable pelvic belt in storage.
4. Detach shoulder belt pin connector from pin on rear retractor closest to wall (B3). Attach shoulder belt pin connector to pin located on shoulder belt height adjuster (B9) and return shoulder belt to storage position.

♿️ RELEASING WHEELCHAIR

5. Press red release levers on retractors (B7), detach J-Hooks from wheelchair and slowly return them to retractors.
6. Remove retractors (B8) from floor anchorage (B1) points and place in storage.
7. Unlock wheelchair brakes (or power on electric chair).
8. Wheelchair occupant is ready to exit vehicle.